

Wegert, S.  
09/018194

09/018194

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STRUCTURE FILE UPDATES: 30 JAN 2006 HIGHEST RN 873057-98-8  
DICTIONARY FILE UPDATES: 30 JAN 2006 HIGHEST RN 873057-98-8

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\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

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REGISTRY includes numerically searchable data for experimental and  
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L5 2 S CVGSNKGAIK/SQSP

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 236385-64-1 REGISTRY  
CN L-Cysteine, L-cysteinyL-L-valylglycyl-L-seryl-L-asparaginyL-L-  
lysylglycyl-L-alanyl-L-isoleucyl- (9CI) (CA INDEX NAME)  
SQL 10

SEQ 1 CVGSNKGAIK

HITS AT: 1-10

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1: 131:139515

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 197313-63-6 REGISTRY  
CN L-Cysteine, L-cysteinyL-L-valylglycyl-L-seryl-L-asparaginyL-L-  
lysylglycyl-L-alanyl-L-isoleucyl-, cyclic (1-10)-disulfide  
(9CI) (CA INDEX NAME)

OTHER NAMES:

Searcher : Shears 571-272-2528

09/018194

CN 13: PN: US20030175231 PAGE: 14 claimed protein  
CN 4: PN: US6242416 SEQID: 4 claimed protein  
SQL 10

SEQ 1 CVGSNKGAI

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HITS AT: 1-10

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1: 139:255394

REFERENCE 2: 135:14338

REFERENCE 3: 131:139515

REFERENCE 4: 127:303342

FILE 'CAPLUS' ENTERED AT 12:33:52 ON 31 JAN 2006  
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FILE COVERS 1907 - 31 Jan 2006 VOL 144 ISS 6  
FILE LAST UPDATED: 30 Jan 2006 (20060130/ED)

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<http://www.cas.org/infopolicy.html>

L6 4 L5

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ED Entered STN: 19 Sep 2003

ACCESSION NUMBER: 2003:737130 CAPLUS

DOCUMENT NUMBER: 139:255394

TITLE: Inhibition of apoptosis in keratinocytes by a ligand of p75 nerve growth factor receptor

INVENTOR(S): Gilchrist, Barbara A.; Yaar, Mina; Eller, Mark

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 31 pp., Cont.-in-part of U.S. Ser. No. 793,683, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

Searcher : Shears 571-272-2528

09/018194

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003175231	A1	20030918	US 1998-18194	19980204
US 6103689	A	20000815	US 1994-298941	19940831
WO 9606633	A2	19960307	WO 1995-US10971	19950830
WO 9606633	A3	19960502		
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2320483	AA	19990812	CA 1999-2320483	19990203
WO 9939728	A2	19990812	WO 1999-US2362	19990203
WO 9939728	A3	19990923		
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9924948	A1	19990823	AU 1999-24948	19990203
AU 755426	B2	20021212		
EP 1053008	A2	20001122	EP 1999-904572	19990203
EP 1053008	B1	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 281175	E	20041115	AT 1999-904572	19990203
US 6867179	B1	20050315	US 2000-632748	20000804
PRIORITY APPLN. INFO.:			US 1994-298941	A1 19940831

WO 1995-US10971	W	19950830
US 1997-793683	B2	19970403
US 1998-18194	A	19980204
WO 1999-US2362	W	19990203

AB Methods to control, or manipulate, melanocyte and keratinocyte cell death are disclosed. In particular, a method of preventing epidermal melanocyte cell loss due to injury in a vertebrate is disclosed. Also disclosed is a method of inducing hair growth in a vertebrate, a method of inducing hair color in a vertebrate, a method of inducing skin color in a vertebrate, a method of treating baldness in an individual, and a method of treating alopecia areata in an individual. The present invention is based on the discovery that basal layer epidermal melanocytes and keratinocytes undergo characteristic programmed cell death in response to injury, such as UV-irradiation injury. In particular, epidermal melanocytes and keratinocytes undergo programmed cell death, or apoptosis, and the apoptosis in these cells is mediated by the p75 nerve growth factor receptor/ nerve growth factor pathway (p75 NGF-R/NGF), resulting in upregulation of Bcl-2 protein. Nerve growth factor rescued injured melanocytes undergoing apoptosis and enhanced survival of human keratinocytes after injury.

IT 197313-63-6

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(KGA-containing peptide; inhibition of apoptosis in keratinocytes and melanocytes by ligands of p75 nerve growth factor receptor)

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
ED Entered STN: 07 Jun 2001

Searcher : Shears 571-272-2528

09/018194

ACCESSION NUMBER: 2001:410422 CAPLUS  
DOCUMENT NUMBER: 135:14338  
TITLE: Inhibition of  $\beta$ -amyloid binding to the p75  
nerve growth factor receptor  
INVENTOR(S): Gilchrest, Barbara A.; Yaar, Mina  
PATENT ASSIGNEE(S): Trustees of Boston University, USA  
SOURCE: U.S., 16 pp., Cont.-in-part of WO9737228.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6242416	B1	20010605	US 1998-163095	19980929
WO 9737228	A1	19971009	WO 1997-US4966	19970328
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 2002051988	A1	20020502	US 2001-866898	20010529
US 6696303	B2	20040224		
US 2004254110	A1	20041216	US 2004-785924	20040224
PRIORITY APPLN. INFO.:			US 1996-625765	B2 19960329
			WO 1997-US4966	A2 19970328
			US 1998-163095	A1 19980929
			US 2001-866898	A3 20010529

AB Methods are provided for inhibiting  $\beta$ -amyloid-mediated activation of the p75 nerve growth factor receptor of a cell that expresses the p75 nerve growth factor receptor. Methods are also provided for inhibiting the binding of  $\beta$ -amyloid protein and  $\beta$ -amyloid peptides to the p75 nerve growth factor receptor, as are methods of inhibiting  $\beta$ -amyloid-mediated apoptosis of neural crest-derived cells. The methods involve contacting the cell with a substance containing e.g. the amino acid sequence lysine-glycine-lysine (KGK) or lysine-glycine-alanine (KGA), wherein the substance binds to the p75 nerve growth factor receptor, resulting in the inhibition of  $\beta$ -amyloid protein or  $\beta$ -amyloid peptide binding to and/or activation of the p75 nerve growth factor receptor, or wherein the substance inhibits  $\beta$ -amyloid protein- or  $\beta$ -amyloid peptide-mediated apoptosis of the cell which expresses the p75 nerve growth factor receptor.

IT 197313-63-6

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(peptides for inhibition of  $\beta$ -amyloid binding to p75 NGF receptor)

REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

09/018194

RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
ED Entered STN: 18 Aug 1999  
ACCESSION NUMBER: 1999:511040 CAPLUS  
DOCUMENT NUMBER: 131:139515  
TITLE: Methods using a neurotrophin or NGF pseudo-ligand  
for inducing hair growth and coloration  
INVENTOR(S): Gilchrest, Barbara A.; Yaar, Mina; Eller, Mark  
PATENT ASSIGNEE(S): Trustees of Boston University, USA  
SOURCE: PCT Int. Appl., 67 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9939728	A2	19990812	WO 1999-US2362	19990203
WO 9939728	A3	19990923		
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 2003175231	A1	20030918	US 1998-18194	19980204
CA 2320483	AA	19990812	CA 1999-2320483	19990203
AU 9924948	A1	19990823	AU 1999-24948	19990203
AU 755426	B2	20021212		
EP 1053008	A2	20001122	EP 1999-904572	19990203
EP 1053008	B1	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 281175	E	20041115	AT 1999-904572	19990203
US 6867179	B1	20050315	US 2000-632748	20000804
PRIORITY APPLN. INFO.:			US 1998-18194	A2 19980204
			US 1994-298941	A1 19940831
			WO 1995-US10971	W 19950830
			US 1997-793683	B2 19970403
			WO 1999-US2362	W 19990203

AB Methods to control, or manipulate, melanocyte and keratinocyte cell death are disclosed. In particular, a method of preventing epidermal melanocyte cell loss due to injury in a vertebrate is disclosed. Also disclosed is a method of inducing hair growth in a vertebrate, a method of inducing skin color in a vertebrate, a method of treating baldness in an individual and a method of treating alopecia areata in an individual. The methods of the invention use a neurotrophin or a NGF pseudo-ligand.

IT 197313-63-6 236385-64-1

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(neurotrophin or NGF pseudo-ligand for inducing hair growth and coloration)

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ED Entered STN: 25 Oct 1997  
 ACCESSION NUMBER: 1997:679269 CAPLUS  
 DOCUMENT NUMBER: 127:303342  
 TITLE: Methods for diagnosing and treating Alzheimer's  
 disease  
 INVENTOR(S): Gilchrest, Barbara A.; Yaar, Mina  
 PATENT ASSIGNEE(S): Boston University, USA; Gilchrest, Barbara A.;  
 Yaar, Mina  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9737228	A1	19971009	WO 1997-US4966	19970328
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP,				
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT,				
UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR,				
GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,				
GA, GN, ML, MR, NE, SN, TD, TG				
CA 2250075	AA	19971009	CA 1997-2250075	19970328
AU 9724245	A1	19971022	AU 1997-24245	19970328
AU 719038	B2	20000504		
EP 890105	A1	19990113	EP 1997-919932	19970328
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,				
PT, IE, FI				
JP 2000507828	T2	20000627	JP 1997-535410	19970328
US 6242416	B1	20010605	US 1998-163095	19980929
US 2002051988	A1	20020502	US 2001-866898	20010529
US 6696303	B2	20040224		
US 2004254110	A1	20041216	US 2004-785924	20040224
PRIORITY APPLN. INFO.:			US 1996-625765	A2 19960329
			WO 1997-US4966	W 19970328
			US 1998-163095	A1 19980929
			US 2001-866898	A3 20010529

AB Methods for evaluating the risk of an individual to develop  
 Alzheimer's disease using cultured neural crest-derived melanocytes  
 are described. Also described are methods of therapy for Alzheimer's  
 disease using peptides that bind to the neurotrophin receptor (p75NTR)  
 and competitively inhibit the binding of  $\beta$ -amyloid to the  
 (p75NTR).

IT **197313-63-6**

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (diagnosing and treating Alzheimer's disease)

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=> d his l5- ful

(FILE 'HOME' ENTERED AT 12:32:20 ON 31 JAN 2006)  
D COST

L5 FILE 'REGISTRY' ENTERED AT 12:33:13 ON 31 JAN 2006  
2 SEA ABB=ON PLU=ON CVGSNKGAI/SQSP

FILE 'REGISTRY' ENTERED AT 12:33:51 ON 31 JAN 2006  
D L5 1-2 .BEVREG1

L6 FILE 'CAPLUS' ENTERED AT 12:33:52 ON 31 JAN 2006  
4 SEA ABB=ON PLU=ON L5  
D 1-4 .BEVSTR

L7 FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 12:34:01 ON 31 JAN 2006  
0 SEA ABB=ON PLU=ON L5

FILE 'HOME' ENTERED AT 12:34:10 ON 31 JAN 2006

FILE HOME

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DICTIONARY FILE UPDATES: 30 JAN 2006 HIGHEST RN 873057-98-8

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\* The CA roles and document type information have been removed from \*  
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\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMI  
for details.

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE CAPLUS

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FILE COVERS 1907 - 31 Jan 2006 VOL 144 ISS 6  
FILE LAST UPDATED: 30 Jan 2006 (20060130/ED)

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<http://www.cas.org/infopolicy.html>

FILE MEDLINE

FILE LAST UPDATED: 28 JAN 2006 (20060128/UP). FILE COVERS 1950 TO DA

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details on the 2005 reload, enter HELP RLOAD at an arrow prompt (=>).  
See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 25 January 2006 (20060125/ED)

FILE EMBASE

FILE COVERS 1974 TO 26 Jan 2006 (20060126/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.